

Abstract

The present invention provides a method for obtaining diverse novel genes by inducing somatic cell homologous recombination at genetic loci in somatic cells.

By controlling transcription activity of a gene that exists at a genetic locus in a eukaryotic organism cell wherein DNA homologous recombination is occurring at an arbitrary genetic locus, somatic cell homologous recombination is induced between said gene and a gene having a DNA sequence similar to said gene that exists in a region upstream of a transcription promoter, whereby it is possible to obtain diverse novel genes having a plurality of genetic information.